



FAG

22310-E1-XL-T41A

Spherical roller bearing

Schaeffler ID:
0190194750000Spherical roller bearing 223..-E1-XL-T41A,
symmetric with cage guidance ring

X-life

Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
C_r	229,000 N	Basic dynamic load rating, radial
C_{0r}	223,000 N	Basic static load rating, radial
C_{ur}	20,700 N	Fatigue load limit, radial
n_G	6,300 1/min	Limiting speed
n_{gr}	4,800 1/min	Reference speed
	1.867 kg	Weight

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	92.6 mm	Bore diameter outer ring
d_2	63 mm	Raceway diameter of the inner ring
d_s	3.2 mm	Diameter lubrication hole
n_s	6.5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	61 mm	Minimum diameter shaft shoulder
$D_{a max}$	99 mm	Maximum diameter of housing shoulder
$r_{a max}$	2 mm	Maximum recess radius

Additional information

e	0.36	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.86	Dynamic axial load factor
Y_2	2.77	Dynamic axial load factor
Y_0	1.82	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.